

10/743943

## Freeform Search

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<b>Database:</b>	<div style="border: 1px solid black; padding: 2px;">         US Pre-Grant Publication Full-Text Database          US Patents Full-Text Database          US OCR Full-Text Database          EPO Abstracts Database          JPO Abstracts Database          Derwent World Patents Index          IBM Technical Disclosure Bulletins       </div>
<b>Term:</b>	<div style="border: 1px solid black; padding: 2px;">         obayashi and (load\$ with vehicle) and (motor with force)       </div>
<b>Display:</b>	<div style="border: 1px solid black; padding: 2px;">10</div> Documents in <b>Display Format:</b> <div style="border: 1px solid black; padding: 2px;">-</div> Starting with Number <div style="border: 1px solid black; padding: 2px;">1</div>
<b>Generate:</b> <input type="radio"/> Hit List <input checked="" type="radio"/> Hit Count <input type="radio"/> Side by Side <input type="radio"/> Image	

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Search

Clear

Interrupt

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 Search History
 

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 DATE: Monday, May 01, 2006    [Printable Copy](#)    [Create Case](#)
**Set Name**   **Query**  
 side by side
**Hit Count**
**Set Name**  
 result set

<i>DB=PGPB,USPT; THES=ASSIGNEE; PLUR=YES; OP=OR</i>		
<u>L8</u>	obayashi and (load\$ with vehicle) and (motor with force)	5 <u>L8</u>
<i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; THES=ASSIGNEE; PLUR=YES; OP=OR</i>		
<u>L7</u>	L6 and 701/97.ccls.	2 <u>L7</u>
<u>L6</u>	l4 or L5	279 <u>L6</u>
<u>L5</u>	L3 and @pd<=20021227	229 <u>L5</u>
<u>L4</u>	L3 and @ad<=20021227	272 <u>L4</u>
<u>L3</u>	L1 and (detect\$ with abnormal\$)	411 <u>L3</u>
<u>L2</u>	L1 and detect\$	904 <u>L2</u>
<u>L1</u>	vehicle and abnormal\$ and (driv\$ with mechanism\$) and wheel\$	1433 <u>L1</u>

END OF SEARCH HISTORY

[First Hit](#) [Fwd Refs](#)[Previous Doc](#)[Next Doc](#)[Go to Doc#](#)**End of Result Set**

Generate Collection

Print

L7: Entry 2 of 2

File: USPT

Sep 26, 2000

US-PAT-NO: 6125321

DOCUMENT-IDENTIFIER: US 6125321 A

TITLE: Motor vehicle drive system controller and automatic drive controller

DATE-ISSUED: September 26, 2000

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Tabata; Atsushi	Okazaki			JP
Fukumura; Kagenori	Toyota			JP
Nakamura; Yasunari	Nagoya			JP
Tomomatsu; Hideo	Nagoya			JP
Taniguchi; Hiroji	Okazaki			JP

## ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
Toyota Jidosha Kabushiki Kaisha	Toyota			JP	03

APPL-NO: 08/870386 [\[PALM\]](#)

DATE FILED: June 6, 1997

## FOREIGN-APPL-PRIORITY-DATA:

COUNTRY	APPL-NO	APPL-DATE
JP	8-145834	June 7, 1996
JP	8-336181	December 16, 1996

INT-CL-ISSUED: [07] B60 K 31/00, G06 G 7/00

US-CL-ISSUED: 701/97; 701/92, 180/170, 318/3, 318/55

US-CL-CURRENT: 701/97; 180/170, 318/3, 318/55, 701/92

FIELD-OF-CLASSIFICATION-SEARCH: 701/97, 701/70, 701/93, 701/92, 701/91, 318/3, 318/9-12, 318/55, 180/170

See application file for complete search history.

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

Search Selected

Search ALL

Clear

	PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
<input type="checkbox"/>	<u>4934476</u>	June 1990	Hyodo	701/97
<input type="checkbox"/>	<u>5125471</u>	June 1992	Iwaoka et al.	701/97
<input type="checkbox"/>	<u>5230400</u>	July 1993	Kakinami et al.	701/96
<input type="checkbox"/>	<u>5485892</u>	January 1996	Fujita	701/70

## FOREIGN PATENT DOCUMENTS

FOREIGN-PAT-NO	PUBN-DATE	COUNTRY	CLASS
60-259532	December 1985	JP	
63-049539	March 1988	JP	
63-137042	June 1988	JP	
4-208647	July 1992	JP	
5-106499	April 1993	JP	
6-111200	April 1994	JP	
7-69201	March 1995	JP	
7-304349	November 1995	JP	
08-002293	January 1996	JP	

ART-UNIT: 361

PRIMARY-EXAMINER: Louis-Jacques; Jacques H.

ASSISTANT-EXAMINER: Beaulieu; Yonel

ATTY-AGENT-FIRM: Oblon, Spivak, McClelland, Maier &amp; Neustadt, P.C.

## ABSTRACT:

A motor vehicle drive system controller is adapted to automatic drive control, the engine and the transmission being among the objects of control. The power output of the motor is controlled so as to maintain either a consistent drivable mode or a consistent undrivable mode as the automatic transmission shifts gears while the vehicle is running under automatic drive control. The consistent drivable mode refers to a state where the output torque of the motor is greater than the sum of the average running resistance and the variation in the running resistance and the consistent undrivable mode refers to a state where the output torque of the motor is smaller than the difference of the average running resistance and the variation in the running resistance. The automatic drive control function is prohibited when the controller detects abnormality in the transmission.

11 Claims, 34 Drawing figures

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## Hit List

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Search Results - Record(s) 1 through 2 of 2 returned.

☐ 1. Document ID: US 6178372 B1

Using default format because multiple data bases are involved.

L7: Entry 1 of 2

File: USPT

Jan 23, 2001

US-PAT-NO: 6178372

DOCUMENT-IDENTIFIER: US 6178372 B1

TITLE: Motor vehicle drive system controller and automatic drive controller

DATE-ISSUED: January 23, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Tabata; Atsushi	Okazaki			JP
Fukumura; Kagenori	Toyota			JP
Nakamura; Yasunari	Nagoya			JP
Tomomatsu; Hideo	Nagoya			JP
Taniguchi; Hiroji	Okazaki			JP

US-CL-CURRENT: [701/97](#); [123/352](#), [180/167](#), [340/436](#), [340/901](#), [340/903](#), [701/93](#), [701/95](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Drawings
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☐ 2. Document ID: US 6125321 A

L7: Entry 2 of 2

File: USPT

Sep 26, 2000

US-PAT-NO: 6125321

DOCUMENT-IDENTIFIER: US 6125321 A

TITLE: Motor vehicle drive system controller and automatic drive controller

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Drawings
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Terms	Documents
L6 and (701/97).ccls.	2

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Search Results - Record(s) 1 through 5 of 5 returned.

☐ 1. Document ID: US 20060066287 A1

Using default format because multiple data bases are involved.

L8: Entry 1 of 5

File: PGPB

Mar 30, 2006

PGPUB-DOCUMENT-NUMBER: 20060066287

PGPUB-FILING-TYPE:

DOCUMENT-IDENTIFIER: US 20060066287 A1

TITLE: Method and system for controlling power to be fed to electrical loads

PUBLICATION-DATE: March 30, 2006

INVENTOR-INFORMATION:

NAME

CITY

STATE

COUNTRY

Obayashi; Kazuyoshi

Chita-gun

JP

Fujitsuna; Masami

Kariya-shi

JP

US-CL-CURRENT: 322/25

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. De
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☐ 2. Document ID: US 6554088 B2

L8: Entry 2 of 5

File: USPT

Apr 29, 2003

US-PAT-NO: 6554088

DOCUMENT-IDENTIFIER: US 6554088 B2

TITLE: Hybrid vehicles

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. De
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☐ 3. Document ID: US 6362536 B1

L8: Entry 3 of 5

File: USPT

Mar 26, 2002

US-PAT-NO: 6362536

DOCUMENT-IDENTIFIER: US 6362536 B1

\*\* See image for Certificate of Correction \*\*

TITLE: Apparatus and method for controlling power generation for hybrid vehicle

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw De
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☐ 4. Document ID: US 6018694 A

L8: Entry 4 of 5

File: USPT

Jan 25, 2000

US-PAT-NO: 6018694

DOCUMENT-IDENTIFIER: US 6018694 A

TITLE: Controller for hybrid vehicle

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw De
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☐ 5. Document ID: US 5917248 A

L8: Entry 5 of 5

File: USPT

Jun 29, 1999

US-PAT-NO: 5917248

DOCUMENT-IDENTIFIER: US 5917248 A

TITLE: System and method for driving electric vehicle

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw De
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Clear	Generate Collection	Print	Fwd Refs	Bkwd Refs	Generate OACS
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Terms	Documents
obayashi and (load\$ with vehicle) and (motor with force)	5

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